

SAPC 11041
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November 12, 1956

George:

This will confirm our activities during the week of November 5th to establish a test program at the Ranch for the reworked Hand Controls and Drift Sights. During the month of October a tremendous concentration of effort went into a systematic analysis and corrections of problems in the Hand Control. As the resultant success of the work was not evident until this past week it was not possible to use routine communication channels for requesting test facilities and schedules. Consequently, most of the communication has been verbal through [redacted]

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A request for flight tests during the week of November 12, 1956 was made of [redacted] who agreed to coordinate with the Ranch. A similar request and outline of the tests involved was made to [redacted] of Hycon. Further, our representative at the Ranch, [redacted] was alerted to our needs in the form of equipment.

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Two prime programs have been laid out and are contained in the attached test programs "A" and "B", both for Hand Controls.

Briefly program "A" is to prove and evaluate the success of our rework on the Hand Control. Chief areas in this direction have been the re-routing the flexible control cables between Hand Control and Drift Sight. This was accomplished by E.F.M. and W.A.S. during October 1956. In addition, we have eliminated backlash in two gear meshes and have simplified the mechanics of boresighting.

Program "B" is a test of a breadboard construction of a device which attaches to the Hand Control (to the "Track" knob shaft) and sets the IMC potentiometer by timing the transition of a ground object through a fixed, known angle indicated in the Drift Sight's field of view.

In view of the continued presence of Detachment C with its equipment the scheduling of these programs should present no great problem.

A team of three of our engineers plus our technical representative will conduct the tests at the Ranch during November 12th through November 16th, 1956.

TWM:hm
cc: WAS
EFM

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Tom

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